



# **TOTAL FORCE ASSESSMENT**

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# Overview

- **What's TFA**
- **Today's Question**
- **The 2 MTW Plan**
- **Excursion Capability**

# **Why is Update Necessary**

- **Environment has changed**
  - WMP updated and sourced to location
  - DPG and associated IPSs updated
  - 60K fewer positions
  - EAF construct (scenario-based to capability-based AF)
- **Need understandable, defensible statement of wartime requirements**
- **Provides baseline for next QDR**
- **Helps define Competitive Sourcing (CS) strategies**

**CSAF APPROVED -- 1 MAY '00**

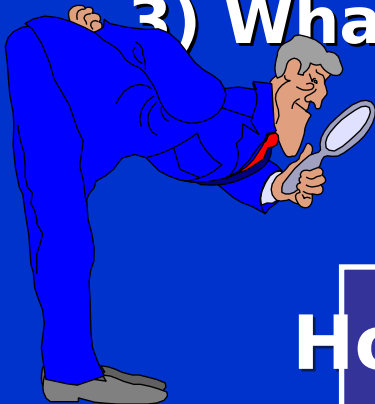
# Total Force Assessment

## Product:

1) Assessment of AF's Most  
Demanding Manpower  
Requirement

2) Manpower Mix Strategy

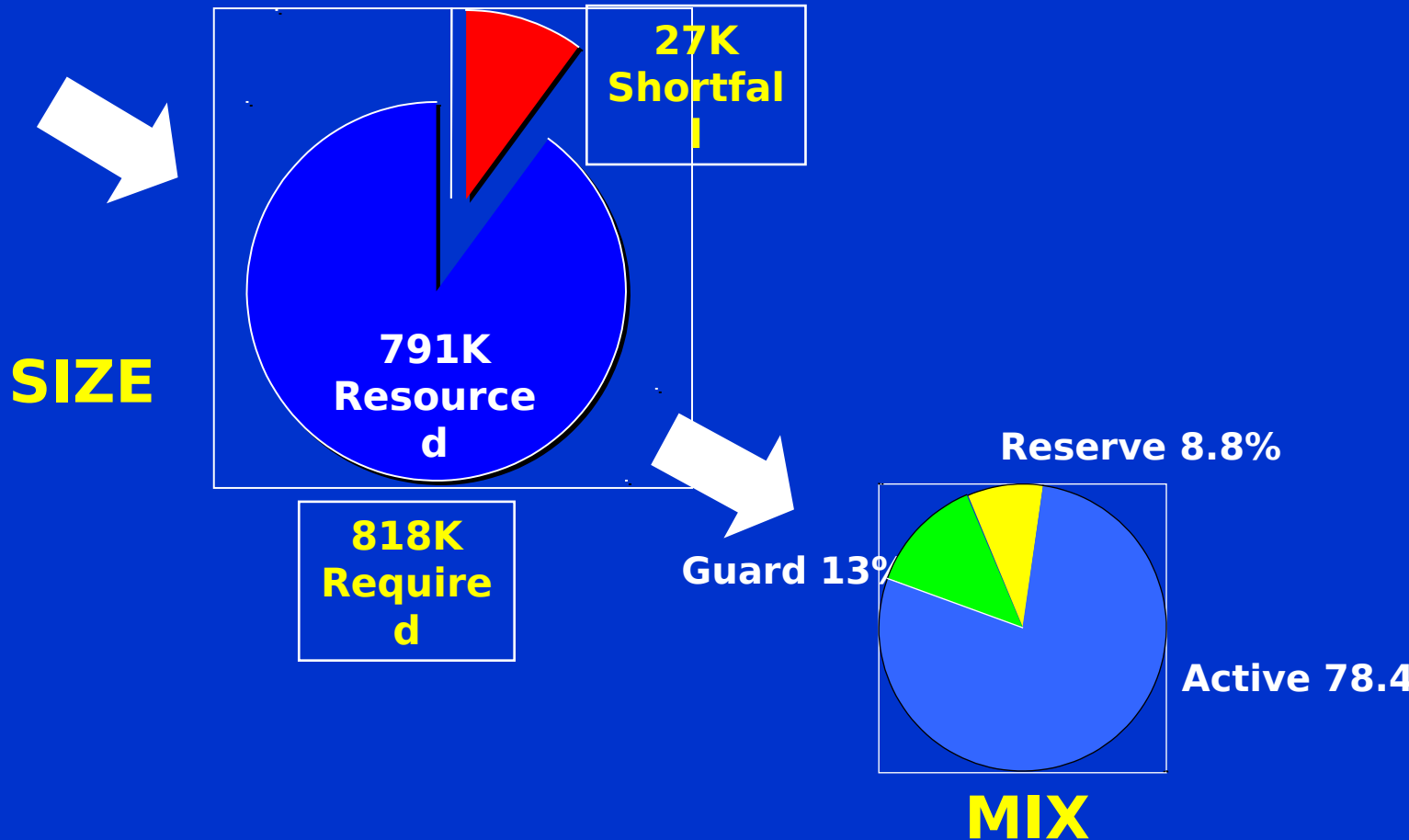
3) What Ifs



How Big. . . .Who Does It?

# Last TFA (FY 95)

2 MTW

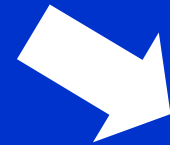


'95 Data Used for '97 QDR

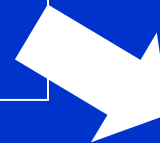
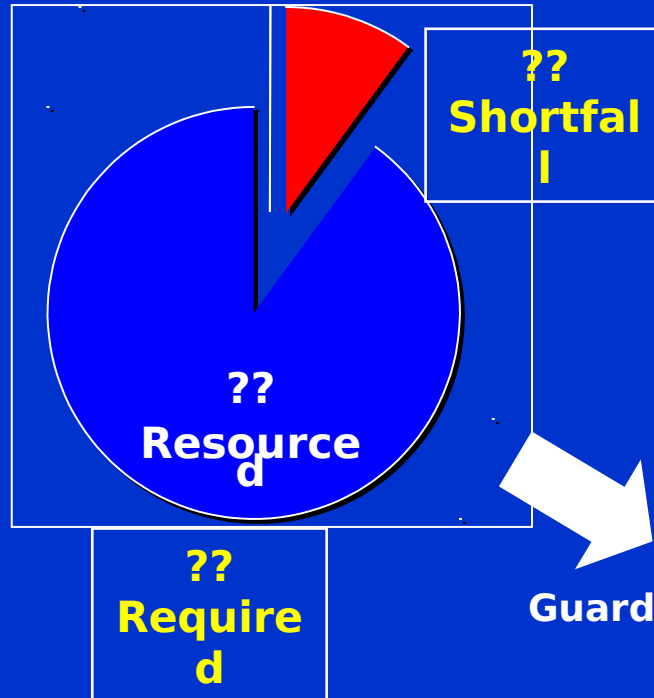
# TFA 2000

**EAF**

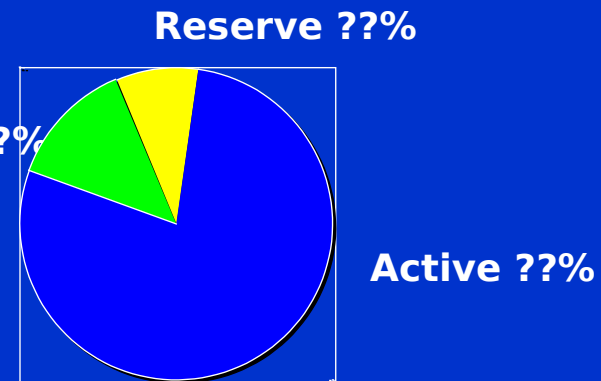
2 MTW



**SIZE**



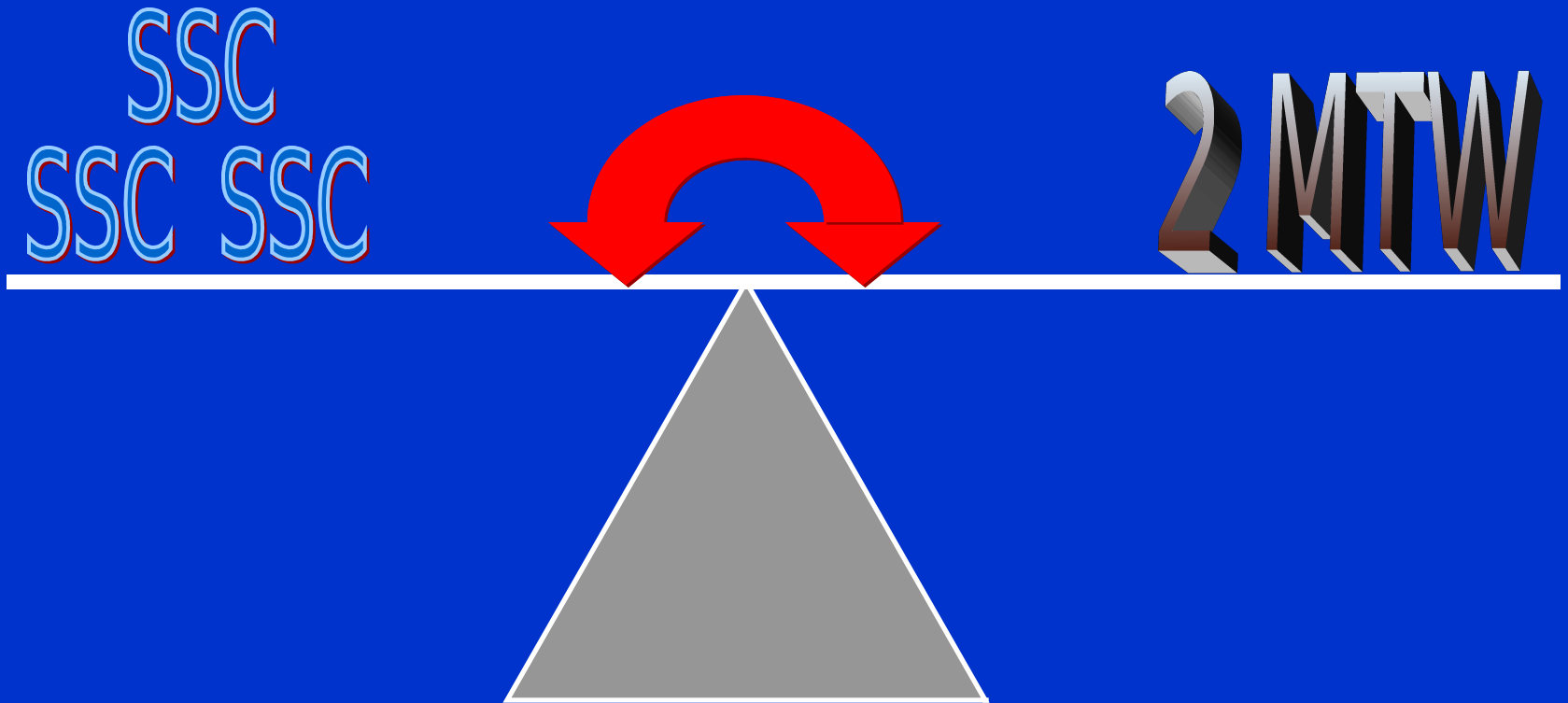
Guard ??%



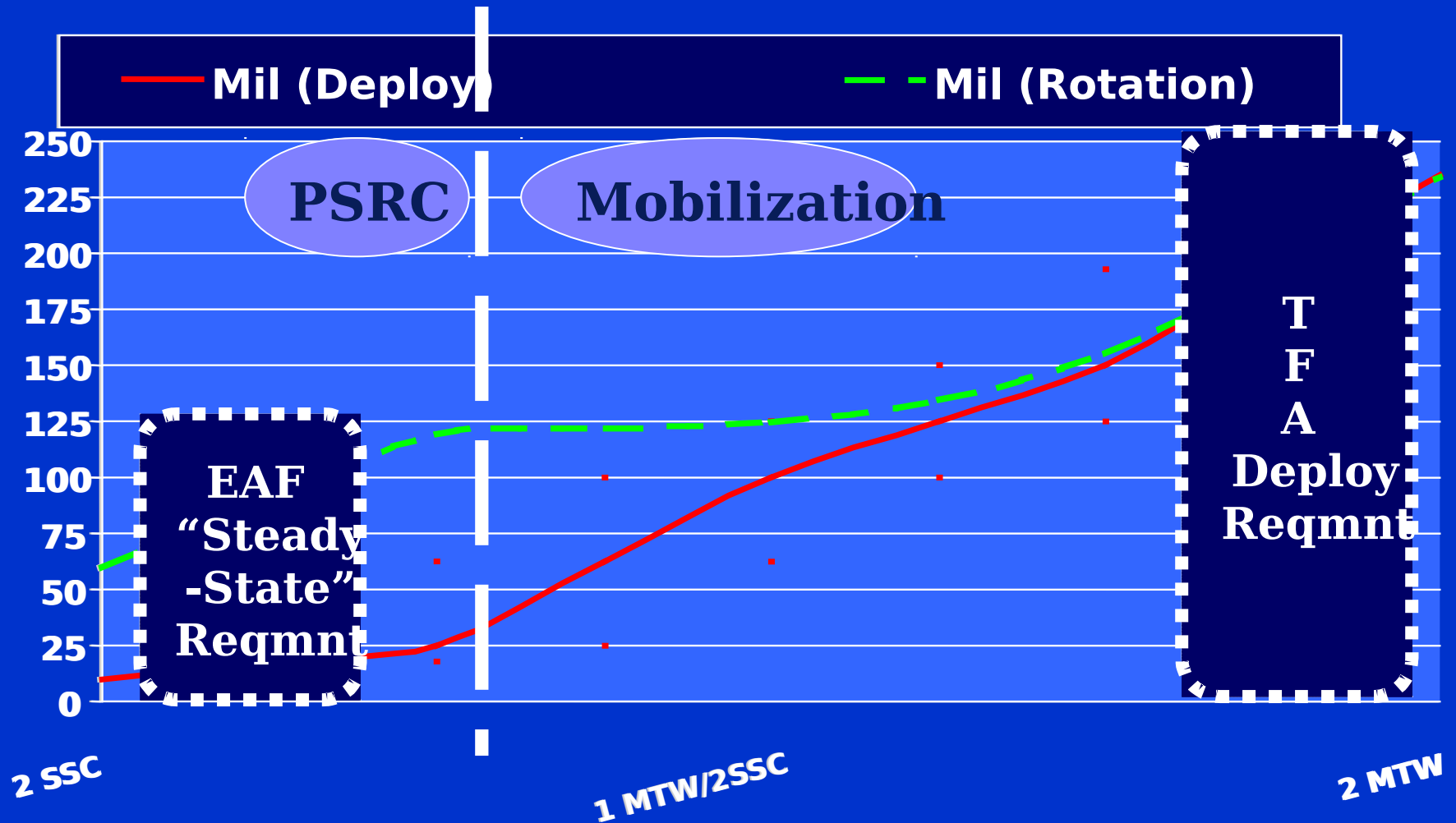
**MIX**

# Today's Question:

Which is more demanding?



# Air Force Deployment Requirements





# Responsibilities/Timelines

## FUNCTIONALS

1. Provide Functional Guidance

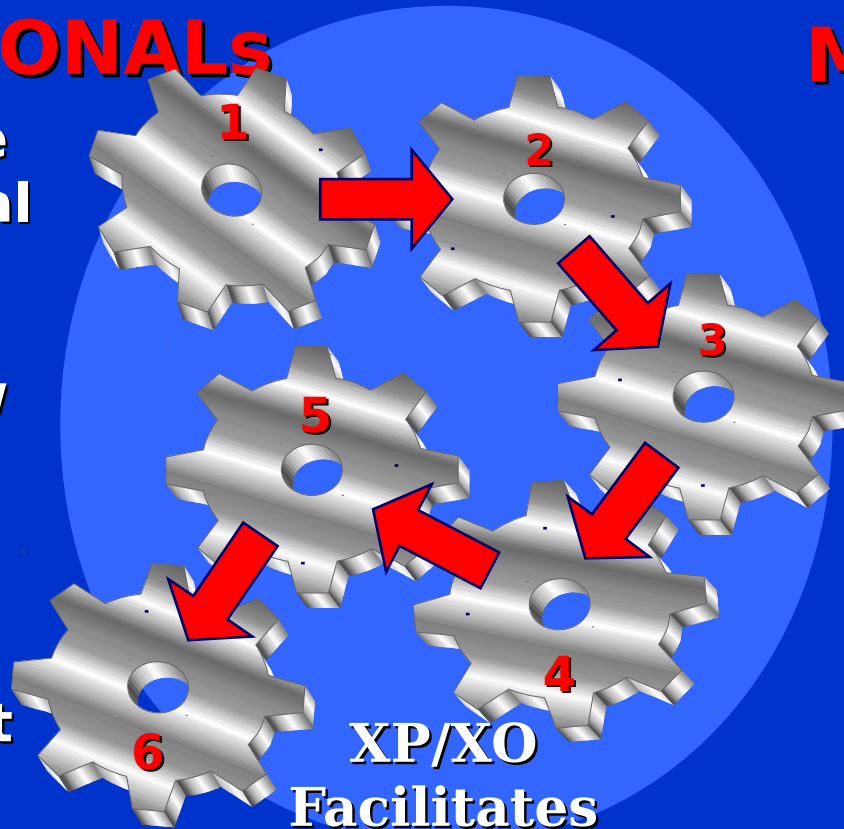
5. Review MAJCOM Inputs

6. Brief Corporate Structure

## MAJCOMs

2. Review Functional Guidance

3. Determine MAJCOM Requirements  
4. Provide Input to Air Staff



2 POM

'02 BES

'02 PB

'03 APC

1

2

3

4

5

6

Mar '00

Mar '01

Provides TFA Data for QDR

# **TFA Overall Plan**

- **Build TFA TPFDD for 2 MTW scenario (XOPW)**
- **Apply standard factors for In-place Support**
  - **FAM Guidance**
  - **Wartime MAF**
  - **8% BOS Factor**
- **Use Base Infrastructure Model (BIM) to get position level detail**
  - **Filter out EAF additive positions**

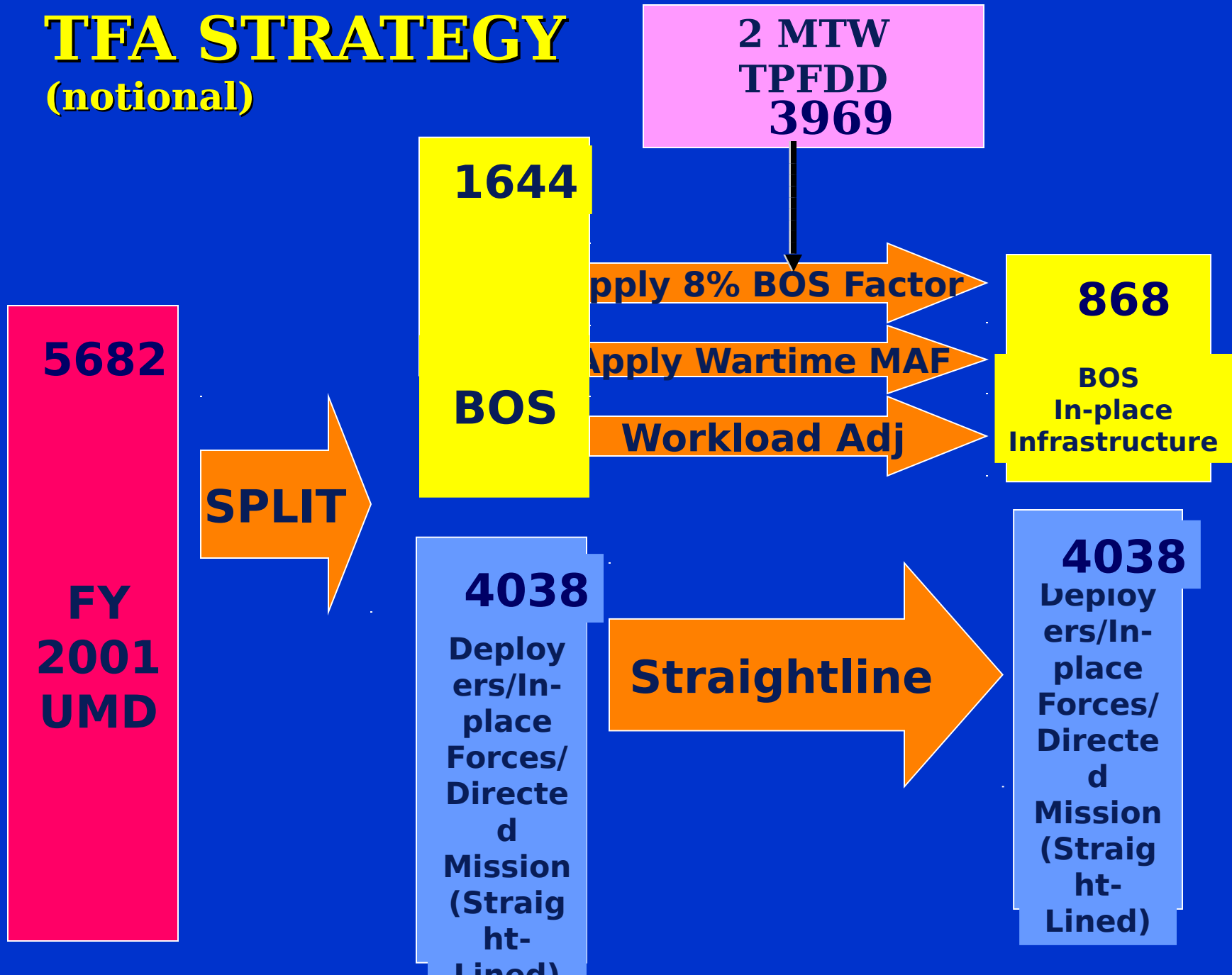
# **TFA Overall Plan**

## **(con't)**

- **Straightline Directed Mission requirements -**
  - If justified (headquarters, FOAs, DRUs, depots, etc.) by organization
- **Straightline In-place Forces requirements**
  - If justified (SIOP, strategic air, space, etc) by Organization
- **Account for Deployment Requirement**
  - Add back deployment requirements for BOS organizations

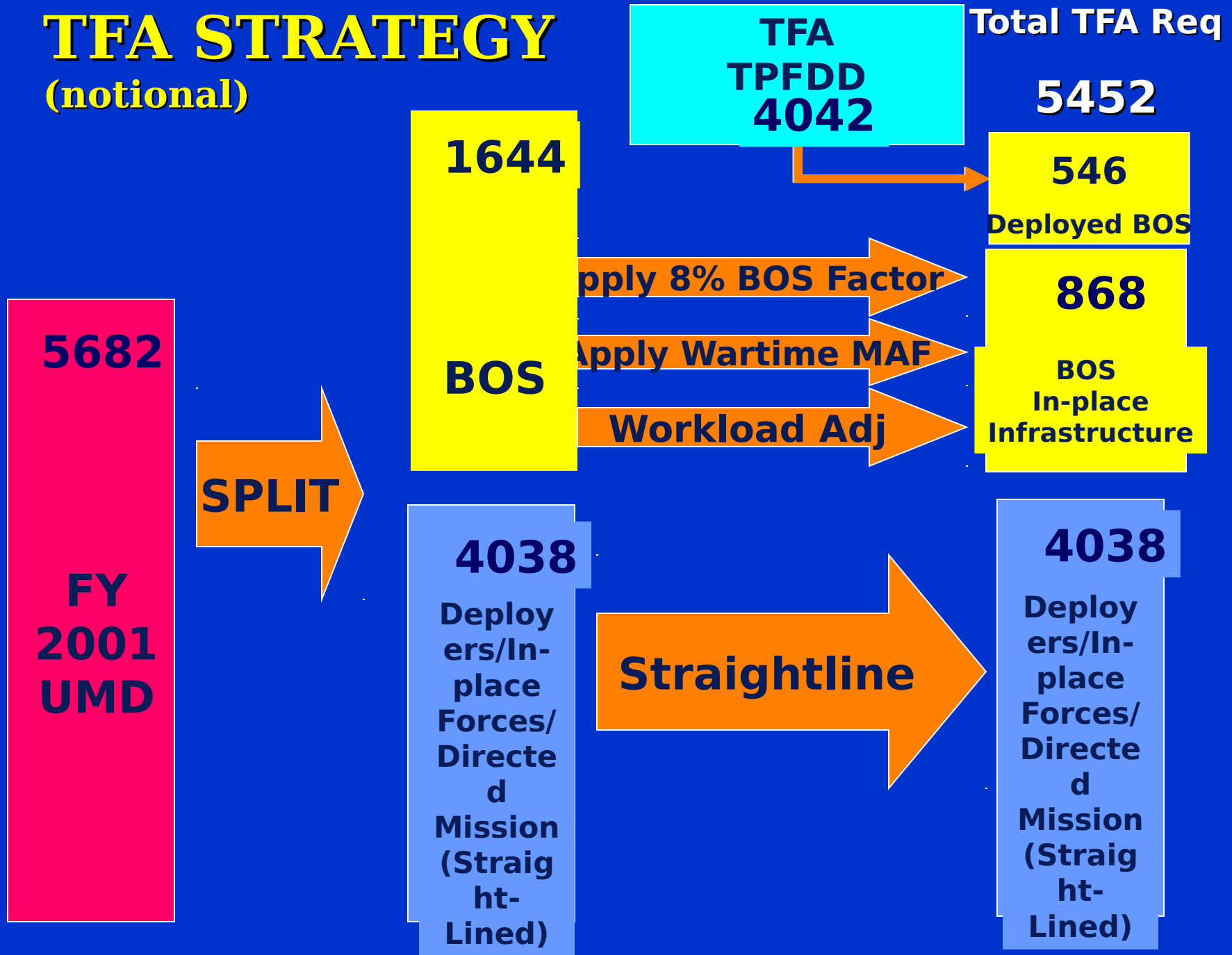
# TFA STRATEGY

(notional)



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(notional)



# **MAJCOM XPM's Role in TFA**

- **Review the Overarching Guidance**
- **Review Air Staff developed functional guidance**
  - for In-Place Forces
  - for In-Place Support
  - for Directed Mission
  - for Deploying Forces
- **Review TFA TPFDD**
- **Determine in-place functional requirements**
  - Using the BIM (FAM Guidance, wartime MAF, 8% BOS factor)
  - Assisted by your MAJCOM FAMS

# **TFA Results**

- **Determine Deploying Forces/In-place Forces/Directed Missions**
- **Determine base level in-place support requirements**
- **Add back BOS Deployers**
- **Establish TFA “UMD” at position level detail**

**Results: 2 MTW Wartime Requirement**

# **The Road Ahead**

- **Test at Langley: 18-25 May**
- **Lessons learned/revamp guidance: 25 May-16 Jun**
- **Meeting with MAJCOM FAMs: 7-8 Jun**
- **Package to 2-digits and MAJCOM XPs: 21 Jun**
- **2-digit coord due: 30 Jun**
- **Package to MAJCOM CVs: 7 Jul**
- **MAJCOM CV coord due: 21 Jul**
- **AF/CV tasker to MAJCOMs to conduct TFA: 1 Aug**
- **Traveling team training: mid Aug**
- **TFA data from MAJCOMs: 31 Oct**



# What Ifs

**BRAC?**

**Force Structure Change?**

**Basing Overseas  
Increase/decrease?**

**Straightline Manpower?**

**Policy on  
Inactive**

**Reserve? Capability  
Based?**

**Scenario Change?**

**2 to 1 1/2 to 1 MTW?**

**Policy Change:  
Use of Guard,**

**Reserve, Contractors?**

**Aerospace Force?**

**Deploy Civilians?**

**New Administration - New Concepts**

# **RAND Working with Requirements Data**

- **Wartime requirement: help organize TPFDD and in-place requirements for ...**
  - **summarization and response to queries**
  - **what-if analyses**
- **Peacetime requirement**
  - **Analyze/compare EAF Center's "steady-state" deployment rqmts vs recent history**
    - **Derive sustainment rqmts consistent with TDY limits**
  - **Think about in-place rqmts**

# Analyzing Requirements Data

- **Integrate data**
  - Check for completeness and illuminate/eliminate overlap
  - Identify functions/AFSCs where SSC rqmt dominates
- **Analyze what-ifs for USAF, POM, QDR, ... and help answer the mail**
  - Draw from the data, examine changes in assumptions, analyze force mix options
  - Compare rqmts w resources (MDS & AEF libraries)
  - Use flexible categories

# Analyzing Requirements Data

- **Integrate data**

- Check for

- overlap

- Identify

- dominant

- **Analyze**

- help and

- Draw

- assumptions

- Compare

- Use flexible categories

**Categories for summaries and analyses based on ...**

- **Functional areas**

- **Manpower types**

- **Officer/enlisted/civilian, AFSC, grade, full-time/technician/drill**

- **Program areas (PECs)**

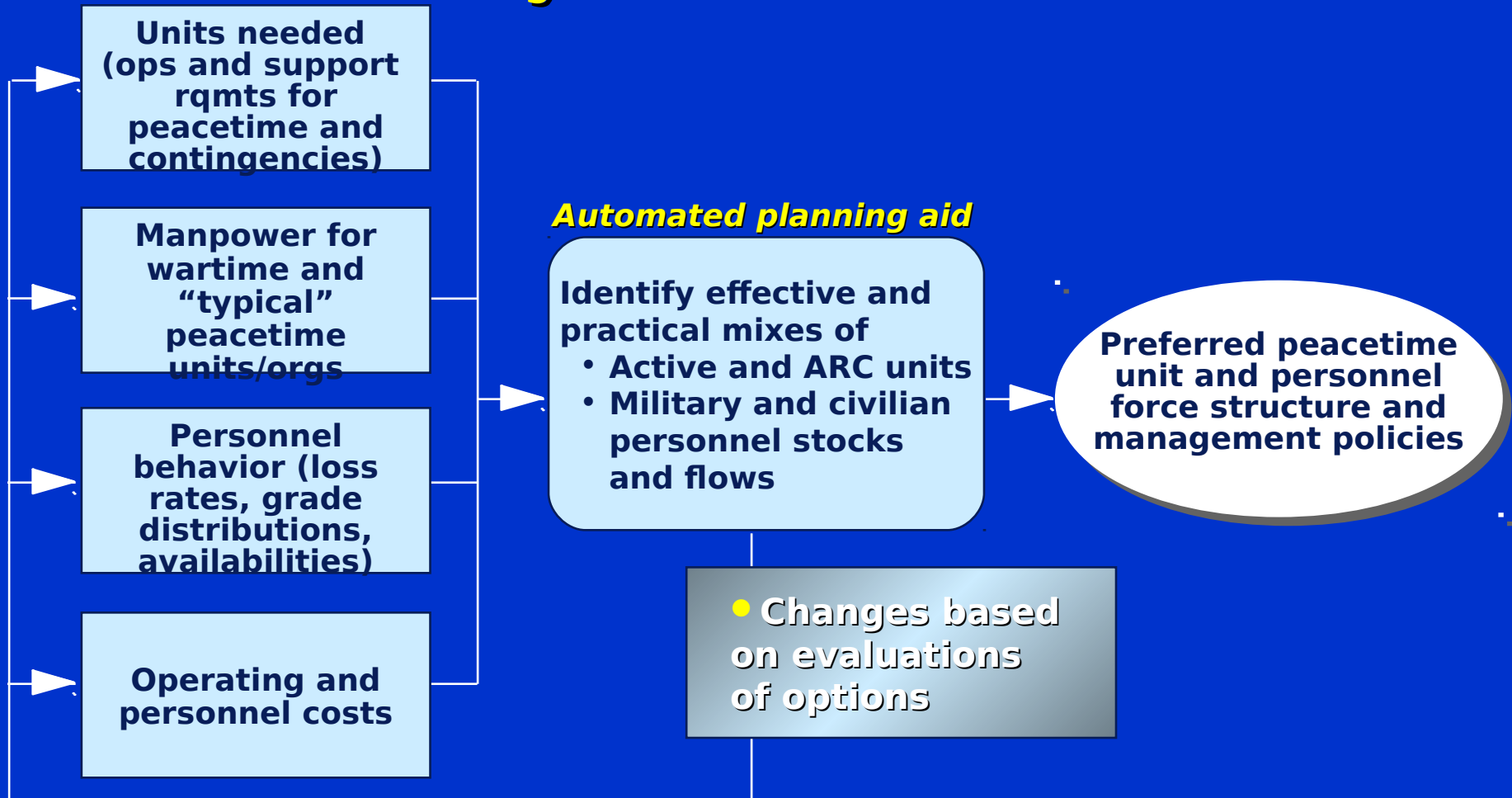
- **Organizations (e.g., MAJCOMs, NAFs, FOA/DRUs, HQs, wings, groups)**

**(series)**

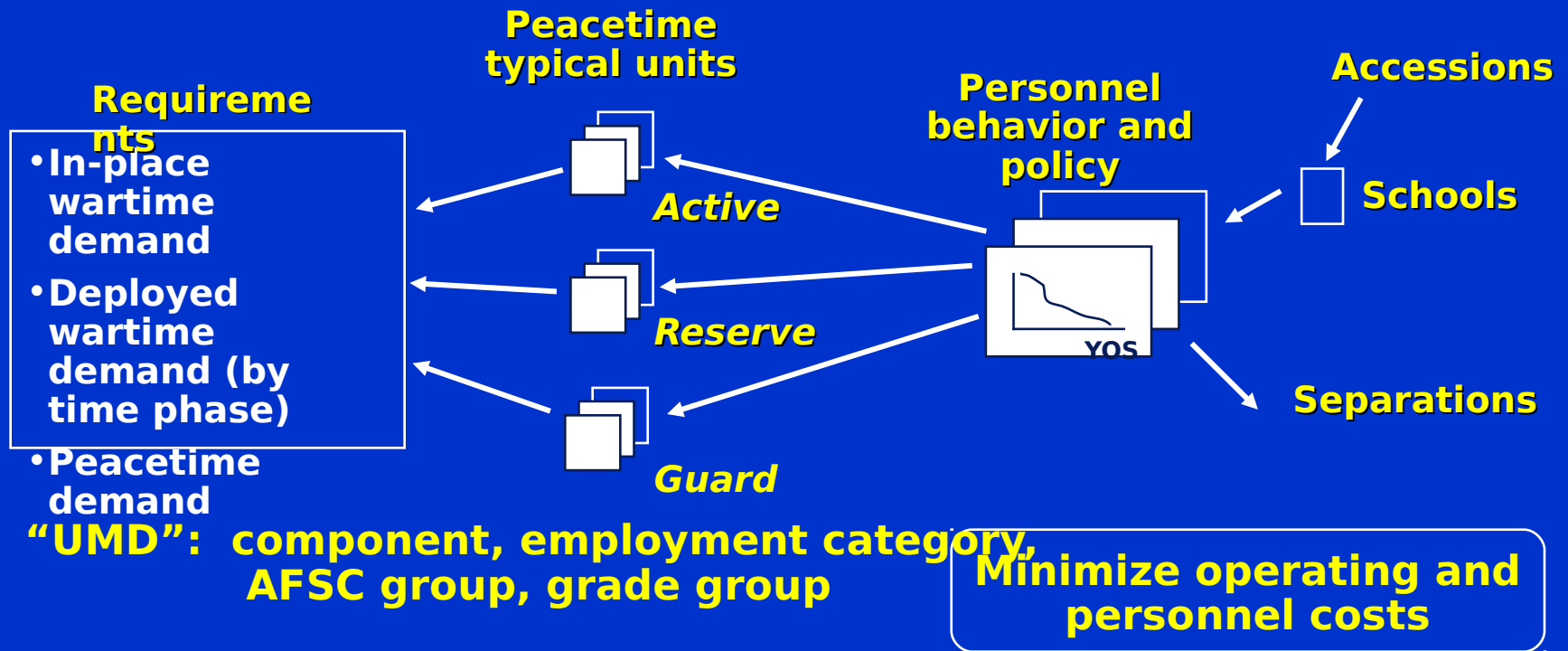
# Potential What-If Analyses

- **What if ...**
  - **Selected support organizations/functions ...**
    - weren't straightlined?
    - had different manpower mixes (active/guard/reserve/civilian/contractor)?
  - **Civilians and contractors could deploy to some locations? For SSCs? For MTWs?**
  - **Guard/reserve forces were available ...**
    - more or less for TDY?
    - sooner or later for MTWs?
  - **Manning goals were raised or lowered?**
  - **Personnel retention behavior changed?**
  - **SSC or MTW rqmts increased or decreased?**

# RAND's Force Mix Analysis Framework



# Optimization Recommends Units & Personnel to Meet Acft and Mpwr Rqmts



# Observations

- **Careful database design should support**
  - ▮ **Summaries and reviews via ad hoc queries**
  - ▮ **Analyses of requirements and sensitivities to assumptions**
  - ▮ **More extensive, model-based analyses**
- **TFA data will be used and remain important for some time**



**QUESTIONS?**